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Building galaxies

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RIJKSUNIVERSITEIT GRONINGEN

Building Galaxies:
From Low-Metallicity Compact Dwarfs to Active Galactic
Nuclei

PROEFSCHRIFT

ter verkrijging van het doctoraat in de
Wiskunde en Natuurwetenschappen
aan de Rijksuniversiteit Groningen
op gezag van de
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To my son, Winston Giorgio Giovanardi.

Cover Page: Seyfert's Sextet, as imaged by the HST. Discovered by Carl Seyfert in 1958, it is a compact group of galaxies, with in fact only four members. The small face-on spiral (center) has a discordant redshift, and is almost five times more distant than the other four. The amorphous sixth object (lower right) is not a galaxy, but rather a "tidal tail" torn from one of the galaxies in the interaction. Science credit: C. Palma, S. Zonak, S. Hunsberger, J. Charlton, S. Gallagher, P. Durrell (The Pennsylvania State University) and J. English (University of Manitoba); Image credit: NASA, J. English (U. Manitoba), S. Hunsberger, S. Zonak, J. Charlton, S. Gallagher (PSU), and L. Frattare (STScI).

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